

## Shorter Contributions

*Banisteria*, Number 20, 2002

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COPPERHEAD PREYS ON STAR-NOSED MOLE IN THE GREAT DISMAL SWAMP -- On 19 May 1989, I photographed an adult Copperhead (*Agkistrodon contortrix*; total length, 0.9-1.0 m) as it swallowed a Star-nosed Mole (*Condylura cristata*) on the graveled shoulder of Jericho Ditch Lane (36° 42.98' N, 76° 32.11' W), 2.7 km east of White Marsh Road, in the Great Dismal Swamp National Wildlife Refuge, City of Suffolk, Virginia (Fig. 1). Both species are believed to be relatively common in the Great Dismal Swamp (Handley, 1979; Mitchell et al., 2000). Habitat on either side of the elevated roadbed consisted of seasonally flooded, second-growth forest dominated by red maple (*Acer rubrum*) and swamp black gum (*Nyssa sylvatica* var. *biflora*) (Graves, 2001).

To my knowledge, the present observation represents the second record of snake predation on the Star-nosed Mole (Petersen & Yates, 1980; Mitchell, 1994). Copperheads prey on a wide variety of small mammals including the Eastern Mole (*Scalopus aquaticus*) and Hairy-tailed Mole (*Parascalops breweri*) (Conant, 1938; Uhler et al., 1939; Fitch, 1960; Gloyd & Conant, 1990), and it probably feeds on the star-nosed mole wherever the two species co-occur.

## ACKNOWLEDGMENTS

I thank Ron Crombie, Bob Reynolds, and Joe Mitchell for discussion of the literature.



Fig. 1. Copperhead preying on Star-nosed Mole in the Great Dismal Swamp.

## LITERATURE CITED

- Conant, R. 1938. The reptiles of Ohio. *American Midland Naturalist* 20: 1-200.
- Fitch, H. S. 1960. Autecology of the Copperhead. University of Kansas Publications Museum of Natural History 13: 85-288.
- Gloyd, H. K., & R. Conant. 1990. Snakes of the *Agkistrodon* complex: a monographic review. Society for the Study of Amphibians and Reptiles. St. Louis, Missouri. 614 pp.
- Graves, G. R. 2001. Factors governing the distribution of Swainson's Warbler along a hydrological gradient in Great Dismal Swamp. *Auk* 118: 650-664.
- Handley, C. O., Jr. 1979. Mammals of the Great Dismal Swamp: a historical account. Pp. 297-357 *In* P. W. Kirk, Jr. (ed.), *The Great Dismal Swamp*. University Press of Virginia, Charlottesville.
- Mitchell, J. C. 1994. *The Reptiles of Virginia*. Smithsonian Institution Press, Washington, DC. 352 pp.
- Mitchell, J. C., C. A. Pague, & D. J. Schwab. 2000. Herpetofauna of the Great Dismal Swamp. Pp. 155-174 *In* B. K. Rose (ed.), *The Natural History of the Great Dismal Swamp*. Suffolk-Nansemond Chapter, Izaak Walton League of America, Inc., Omni Press, Madison, Wisconsin.
- Petersen, K. E., & T. L. Yates. 1980. *Condylura cristata*. *Mammalian Species* 129: 1-4.
- Uhler, F. M., C. Cottam, & T. E. Clarke. 1939. Food of snakes of the George Washington National Forest, Virginia. Pp. 605-622 *In* *Transactions of the Fourth American Wildlife Conference*, American Wildlife Institute, Washington, DC.

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